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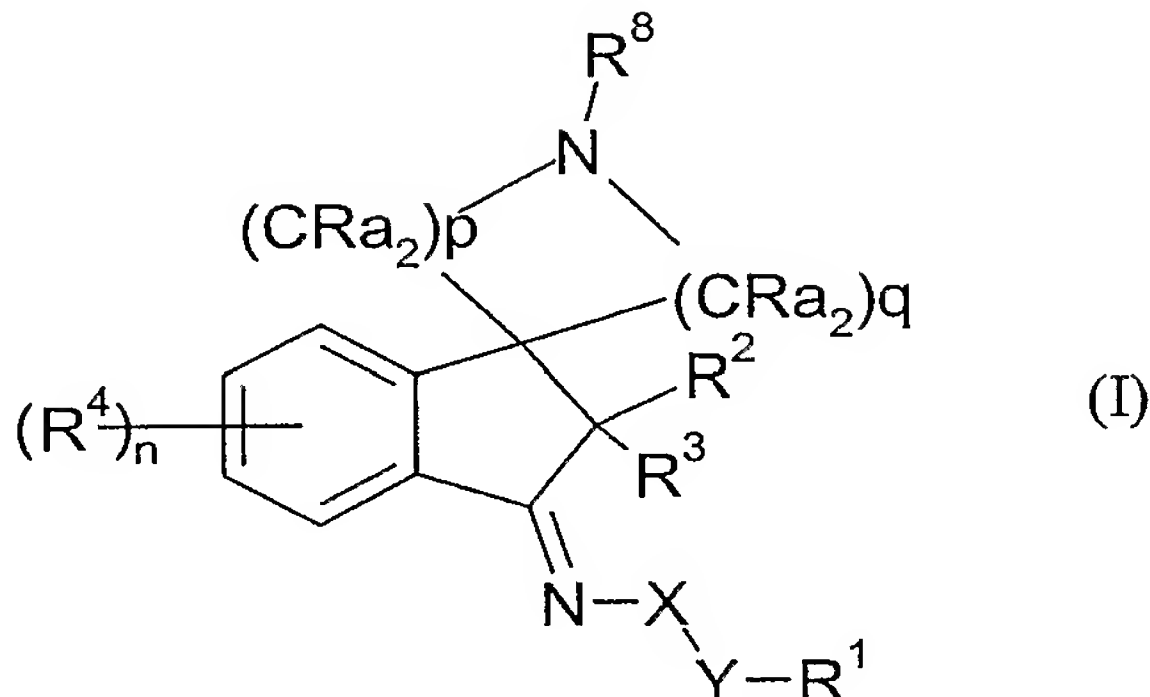
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(54) Title: INSECTICIDAL SPIROINDANE DERIVATIVES



(57) Abstract: An insecticidal compound of formula I wherein X is O or NR<sup>11</sup> where R<sup>11</sup> is hydrogen, optionally substituted alkyl, optionally substituted aryl or optionally substituted heteroaryl; Y is a single bond, C=O, C=S or S(O)<sub>m</sub> where m is 0, 1 or 2; R<sup>1</sup>, R<sup>2</sup>, R<sup>3</sup>, R<sup>4</sup>, R<sup>8</sup> and Ra are specified organic groups and p is 0, 1, 2, 3, 4, 5 or 6; q is 0, 1, 2, 3, 4, 5 or 6 provided that p+q is 1, 2, 3, 4, 5 or 6; or salts or N-oxides thereof; compositions containing them and their using in controlling insects, acarines, nematodes or molluscs.